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SOLUTION: Forward signal light L1 from the signal light source is transmitted through a 1st filter 13 and forward linearly polarized exciting light L2 from the exciting light source has its S-polarized component reflected by a 2nd filter and its P-polarized light component transmitted. The S-polarized component of the exciting light L2 reflected by the 2nd filter 23 is converted by a 1/4-wave plate 14 into a circularly polarized light, which is reflected by the 1st filter 13. The reflected return light of the circularly polarized light of the exciting light L2 from the optical fiber 16 is reflected by the 1st filter 13 and then converted by the 1/4-wave plate 14 into a P-polarized

